**GLS UNIVERSITY**
**FCAIT – iMSc (IT) Sem II**
**PRACTICALS ON DBS**
**PRACTICE EXERCISE 3**

1. Create the following table named "Charity" and write SQL queries for the tasks that follow:

| P_Id | LastName | FirstName | Address | City | Contribution |
|---|---|---|---|---|---|
| 1 | Bindra | Jaspreet | 5B, Gomti Nagar | Lucknow | 3500.50 |
| 2 | Rana | Monica | 21 A, Bandra | Mumbai | 2768.00 |
| 3 | Singh | Jatinder | 8, Punjabi Bagh | Delhi | 2000.50 |
| 4 | Arora | Satinder | K/1, Shere Punjab Colony | Mumbai | 1900.00 |
| 5 | Krishnan | Vineeta | A-75, Adarsh Nagar | | |

a) Display all first names
b) Display all last names of people of Mumbai city
c) Display Person Id along with his/her name
d) Display first name concatenated with last name for all the employees.
e) Display address along with Person Id.
f) Display City and Person Id.
g) Display Last Names and First names of people who have "at" in their first names.
h) Display Last Name having 'a' in Last name.
i) Display Last Name and First name of people who have "a" as the last character in their First names.

2. Create the following table named "Loan" and write SQL queries for the tasks that follow:

| AccNo | Cust_Name | Loan_Amount | Instalments | Int_Rate | Start_Date | Interest |
|---|---|---|---|---|---|---|
| 1 | R.K. Gupta | 300000 | 36 | 12.00 | 19-07-2009 | |
| 2 | S.P. Sharma | 500000 | 48 | 10.00 | 22-03-2008 | |
| 3 | K.P. Jain | 300000 | 36 | NULL | 08-03-2007 | |
| 4 | M.P. Yadav | 800000 | 60 | 10.00 | 06-12-2008 | |
| 5 | S.P. Sinha | 200000 | 36 | 12.50 | 03-01-2010 | |
| 6 | P. Sharma | 700000 | 60 | 12.50 | 05-06-2008 | |
| 7 | K.S. Dhall | 500000 | 48 | NULL | 05-03-2008 | |

1. Display the details of all the loans.
2. Display the AccNo, Cust_Name, and Loan_Amount of all the loans.
3. Display the details of all the loans with less than 40 instalments.
4. Display the AccNo and Loan_Amount of all the loans started before 01-04-2009.
5. Display the Int_Rate of all the loans started after 01-04-2009.
6. Display the details of all the loans whose rate of interest is NULL.
7. Display the details of all the loans whose rate of interest is not NULL.
8. Display the amounts of various loans from the table Loan_Accounts. A loan amount should appear only once.
9. Display the number of instalments of various loans from the table Loan_Accounts. An instalment should appear only once.
10. Display the details of all the loans started after 31-12-2008 for which the number of instalments are more than 36.
11. Display the Cust_Name and Loan_Amount for all the loans which do not have number of instalments 36.
12. Display the Cust_Name and Loan_Amount for all the loans for which the loan amount is less than 500000 or int_rate is more than 12.
13. Display the details of all the loans whose Loan_Amount is in the range 400000 to 500000.
14. Display the details of all the loans whose rate of interest is in the range 11% to 12%.
15. Display the Cust_Name and Loan_Amount for all the loans for which the number of instalments are 24, 36, or 48.
16. Display the AccNo, Cust_Name, and Loan_Amount for all the loans for which the Cust_Name ends with 'Sharma'.
17. Display the AccNo, Cust_Name, and Loan_Amount for all the loans for which the Cust_Name ends with 'a'.
18. Display the AccNo, Cust_Name, and Loan_Amount for all the loans for which the Cust_Name contains 'a'
19. Display the AccNo, Cust_Name, and Loan_Amount for all the loans for which the Cust_Name does not contain 'P'.
20. Display the AccNo, Cust_Name, and Loan_Amount for all the loans for which the Cust_Name contains 'a' as the second last character.
21. Put the interest rate 11.50% for all the loans for which interest rate is NULL.
22. Increase the interest rate by 0.5% for all the loans for which the loan amount is more than 400000.
23. For each loan replace Interest with (Loan_Amount*Int_Rate*Instalments) 12*100.
24. Delete the records of all the loans of 'K.P. Jain'
25. Add another column Category of type CHAR(1) in the Loan table.
26. Create a view having Account number, Customer name and installments.
27. Display all the contents from the view created.
28. Delete the view.